

REMARKS

The amendment to the specification corrects a typographical error. Literal support is found in the text of the originally filed Claim 1. Support for newly added Claim 18 is found in page 2, line 16.

The invention presently claimed is directed to a thermoplastic molding composition that contains polycarbonate, graft polymer, an optional vinyl copolymer, a mixture of phosphorous compounds and fluorinated polyolefin. Critical to the inventive composition are the average particle size of the graft base (0.20 to 0.35 μm) and the mixture of phosphorous compounds. Demonstrative of the criticality of the phosphorous mixture are the improved values of Vicat B temperature, ultimate tensile strength, yield stress and tensile modulus of elasticity reported in the experimental section of the application.

The claims stand rejected under 35 U.S.C. 103 said to be unpatentable over Japanese Patent No. 07-11119 (abstract) taken with Lee (U.S. Patent 5,674,924), Kakegawa et al (U.S. Patent 5,455,292) and Nishihara et al. (U.S. Patent 5,900,446).

Japanese Patent no. 07-11119 appears to disclose a composition containing polycarbonate, graft polymer of conjugated diene rubber having an average grain size of 0.15 to 0.35 micron and an aromatic diphosphate conforming to a formula and PTFE. The composition is said to be fire resistant as well as shock and heat resistant. No mention is made of any mixture of phosphates is evident in the recited document.

Lee disclosed a flameproof composition containing polycarbonate, ABS of the core/shell type, a phosphate composition and perfluoroalkane polymer. In column 2, lines 4-12 and column 4, line 18-20, styrene-containing copolymers are specifically excludes from the referenced composition.

Kakegawa disclosed a composition that contains any of a large variety of resins and a phosphoric acid ester where the addition of a flame retardant agent contained in the resin composition does not cause smoking or volatilize during molding, processing and does not bleed to the surface of the molding. Nothing in the

Kakegawa document may be seen as disclosing the particle size limitation of the graft polymer or the mixture of phosphorous compounds, both being keys to the presently claimed invention.

Nishihara disclosed a composition wherein flame retardant may be, in accordance with column 10, line 43, et seq., any of a large variety of compounds including halogenated, non-halogenated, organic and inorganic compounds. Also, the particle size of the rubber particles is said (in column 9, line 25, et. seq.) to preferably be in the range of 0.5 to 4.0 microns. Compare the present invention where the relevant particle size (0.2 to 0.35 microns) is clearly outside the referenced range, and the flame retardant is a specific mixture of phosphorous compounds.


Applicants respectfully submit that while elements of the present invention have been disclosed in the art, their presently claimed combination is indeed novel and unobvious. The cited documents do not combine at all, much less combine in a manner describing the presently claimed invention. It will particularly be noted that since the Lee document specifically excludes styrene copolymers it is clearly irrelevant to the embodiments represented by Claims 4 and 18.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

Believing the above represents a complete response to the Office Action and that the application is in condition for allowance, Applicants request the earliest issuance of an indication to this effect.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

On page 14, replace the paragraph beginning at line 29, with the following:

--Component D is a mixture of at least one mono- and [of at least two] at least one oligomeric phosphorus compound[s] of formula (I) --

IN THE CLAIMS:

Please add the following:

--18. The molding composition of Claim 1 wherein said C is present in an amount of 2 to 25 part by weight.--